

# USCMS Engineer Status Report for September 2004

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## 1 Work Performed This Month

During September I was traveling for 10 days to Davis and back and I also went to CHEP 2004 from September 26 to October 1.

DDD: I worked on COBRA release updates and testing.

I worked on talk and paper for CHEP 2004.

Conditions, Calibration and other Databases:

I continued to work with Lassi Tuura and Shaun Ashby to understand why I could not compile and run software in COBRA and ORCA pre-releases though we thought the configuration was fine and the test applications worked in POOL. This software uses the POOL Relational Abstraction/Access Layer.

Given I could not use the RAL in COBRA and ORCA yet, I continued to work on test and example code in POOL.

User Support:

I helped a graduate student Manoj Jha to work on changing the DDD shape for a lead absorber in the ECAL. We found something that should be remembered. Sometimes OSCAR will not behave correctly if you use a SpecPar with a wildcard (like //REC.) to label sensitive volumes and someone else in the collaboration uses RECxxx as a name for their part! Since // indicates at any level in the detector hierarchy. Care should be taken with these specifications.

## 2 Status of Deliverables

I believe I will be late with the code to read conditions from test-beam databases of HCAL and EMU. I hope that it will proceed faster. Late being that instead of mid-October it may not be ready until mid-November, or if lucky, by CPT week.

## 3 Plans For Next Month

DDD: Test the DDD to make sure ORCA does not see too much output.

Start DDD documentation synchronization with COBRA.

Conditions, Calibration and other Databases:

Continue to participate as CMS representative to the LCG Conditions database project.

Continue to participate as CMS representative to the LCG 3D project (data definitions).

Continue to work on ORCA/RPROM implementation of some test beam database access. In particular, using the POOL RAL in ORCA somehow.

## 4 Links To Supporting Documentation

- <http://indico.cern.ch/contributionDisplay.py?contribId=235&sessionId=6&confId=0>